Year 10 Food & Nutrition	-	Dairy
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## Low fat dairy options Milk Factors affecting food choice Choose lower fat dairy foods in order to maintain a Some of the different factors that affect our food choice are: Most milk we consume is pasteurised. This is a process healthy weight. Dairy products can be high in Physical activity level where milk is heated to 75°C for 25 seconds then rapidly saturated fat. To reduce fat in dairy products you Healthy eating • cooled to 5°C. This destroys most of the pathogenic could: Cost of food bacteria. There are many different types of processed milks Replace whole milk with skimmed or semi • Income such as homogenised, sterilised, ultra heat treated, skimmed. Culinary skills evaporated, condensed and dried. Each have different Replace milk with a plant based alternative Lifestyle properties. such as sova milk. Seasonality Replace cream with low fat crème fraiche. Many consumers choose plant based milks as an alternative Availability Replace ice cream with low fat frozen to animal milks. This could be due to health benefits Special occasions (reduced saturated fat content), vegetarian diets, ethical voghurt. **Religion or ethical reasons** Swap cheeses for reduced fat cheeses. choices, intolerances or personal preferences. Intolerances or allergies. Swap butter for plant based margarine. Cheese The nutritional value of dairy products Key vocabulary Making cheese - A starter culture is added to fresh milk **Macronutrients** Pathogenic Bacteria that causes disease such as bacteria salmonella. Contains high biological value protein. which ripens the milk allowing the lactose to be fermented Contains saturated fat. It is advised low fat dairy products are a process where milk is heated to 75°C into lactic acid. Rennet is then added which splits the milk for 25 seconds then rapidly cooled to consumed. Pasteurisation into curds and whey. The curds are then pressed into 5°C. This destroys most of the Contains sugary carbohydrates in the form of lactose. pathogenic bacteria. moulds to remove any remaining whey where it is then left **Micronutrients** An enzyme used to separate the milk to mature for up to 24 months to turn into cheese. The Rennet into curds and whey. A good source of calcium. longer it's left the stronger the cheese. Contains water soluble Vitamin B. A soft white substance formed when There are many different uses of cheese such as being eaten Curds milk sours, used as the basis for Contains Vitamin A and D depending on the fat levels of the cheese. in its natural state on crackers, in sandwiches or salads. product. The watery part of milk that remains Added to a dish to add flavour and texture e.g. parmesan on May contain sodium depending on the product. Whey after the formation of curds. spaghetti, mozzarella on pizza, stilton in soup. The conversion of raw materials into Primary food commodities e.g. milling of wheat Yoghurt Key nutrients and functions processing into flour. Fat - Protects vital organs, insulates the body, energy source, Converting primary processed foods Yoghurt has similar nutritional values to milk and is an 🐖 Secondary into other food products, e.g. flour to absorbs fat soluble vitamins A,D,E,K. Processing bread. excellent source of HBV protein, calcium and Vitamins A, B Protein - Builds and repairs cells. and D. It is also contains good bacteria which aids digestion. When a person is unable to digest **Carbohydrate** - main source of energy and NSP (wholegrain Lactose intolerant lactose, a sugar found in milk and some Yoghurts can come in a range of textures, fat content and other dairy products. varieties). flavours. Yoghurt, like other dairy products should be stored Food provenance means where your Vitamins: A-Healthy eye sight, B - energy release, C - immune Food provenance food comes from, i.e. where it is in the fridge at 5°C. Yoghurt can be used as an ingredient in grown, raised or reared. system, **D** -helps strengthen bones and teeth. dishes to give a creamy texture, a healthy alternative to Minerals: Iron - healthy red blood cells, calcium - strong bones A fine dispersion of minute droplets of cream, an alternative to mayonnaise or simply consumed as Emulsion one liquid into another. and teeth, sodium -regulates water in cells. a snack.

## **Knowledge Organiser**